

#### ABSTRACT OF DISCLOSURE

Provided is a laser diode driving circuit which prevents low optical output power of a laser diode at high ambient temperature, and prevents damage to the laser diode at low ambient temperature by adjusting the limit of a laser diode driving current, which is input to a laser diode, based on an optical output power characteristic that decreases optical output power as the ambient temperature decreases. Such a laser diode driving circuit includes a laser diode driving unit, which outputs a laser diode driving current and a laser diode protection unit, which sets the limit of the laser diode driving current output from the laser diode driving unit and increases the limit of the laser diode driving current as the ambient temperature of the laser diode increases.